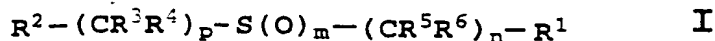


What is claimed is:

1. A method of treating a viral infection in a subject, said method comprising
5 treating the subject with a therapeutically effective amount of a sulfur-containing (H⁺/K⁺)ATPase inhibitor.
2. The method of Claim 1 wherein the
10 compound contains a sulfoxide.
3. The method of Claim 1 wherein the subject is infected with a DNA virus.
- 15 4. The method of Claim 3 wherein the subject is infected with a herpesvirus.
5. A method of treating viral infection in a subject, said method comprising treating the
20 subject with an effective amount of a compound which inhibits an (H⁺/K⁺)ATPase and a viral protease.

6. A method of treating viral infection in a subject, said method comprising treating said subject with an effective amount of a compound of Formula I

5



wherein R^1 is selected from alkoxy, alkoxy carbonyl, dialkylamino, aryl and heteroaryl, wherein R^1 is optionally substituted at a substitutable position with one or more radicals selected from alkoxy, aminoalkoxy optionally substituted on the nitrogen atom with alkyl, cycloalkyl, and aralkyl, hydroxyl, cyano, nitro, alkyl, halo, haloalkyl, haloalkoxy, alkanoyl, cycloalkylalkoxy, carboxyl, acyl, amide, alkylamide, aralkoxy, alkenyloxy, alkynyloxy, sulfonamidyl, dialkylsulfonamidyl, heterocyclic, aralkyl, heteroaralkyl, alkoxy carbonyl, heteroaryl, alkylthio, alkylsulfanyl, alkylsulfonyl, alkenylthio, arylthio, aralkylthio, cycloalkylthio, alkylimino and amino optionally substituted with a radical selected from alkyl, aralkyl, aryl, alkenyl, alkynyl, cycloalkyl, acyl, cycloalkenyl, hydroxyalkyl, alkoxy carbonyl and alkoxyalkyl;

wherein R^2 is heteroaryl, wherein R^2 is optionally substituted at a substitutable position with one or more radicals selected from alkoxy, amino, cyano, nitro, hydroxyl, alkyl, cycloalkyl, halo, haloalkyl, haloalkoxy, carboxyl, alkanoyl, acyl, alkylamino, arylamino, alkylarylamino, alkanoylamino, alkylaminoalkyl, amide, alkylamide, alkoxy carbonyl, aryloxy carbonyl, aralkoxy carbonyl, alkylcarbonyl, cycloalkylcarbonyl, alkylcarbonylalkyl, alkoxy carbonylalkyl, dialkylcarbamoyle, carbamoyleoxy, aryloxy, aralkoxy, alkenyloxy, alkynyloxy, acyloxy, cycloalkylalkoxy,

aralkyl, aryl, aroyl, alkoxyalkyl, hydroxyalkyl,
heterocyclic, heteroaralkyl, alkylthio,
alkylsulfinyl, alkylsulfonyl, arylthio,
arylsulfinyl, alkylsulfonyl, sulfonamidyl and
5 alkylsulfonamidyl;

wherein each of R³, R⁴, R⁵ and R⁶ is
independently selected from hydrido, alkyl, aryl
and aralkyl; and

wherein each of m, n and p is a number
10 independently selected from 0, 1 and 2;

provided that when R¹ is phenyl, R² is
not pyridyl or 1-(β -D-ribofuranosyl)benzimidazole
when m is 0 or 2;

or a pharmaceutically acceptable salt or
15 prodrug thereof.

7. Method of Claim 6 wherein R¹ is
selected from lower alkoxy, lower alkoxycarbonyl,
lower dialkylamino, phenyl, naphthyl, thiazolyl,
20 thiazolinyl, thiadiazolyl, oxazolyl, isoxazolyl,
pyrazolyl, imidazolyl, imidazolinyl, pyridyl,
quinolyl, dihydroquinolyl, tetrahydroquinolyl,
isoquinolyl, azaquinolyl, azaisoquinolyl,
tetrahydroisoquinolyl, thiatetrahydroisoquinolyl,
25 imidazopyridyl, azachromanyl, cycloheptenopyridine,
benzimidazolyl, benzothiazolyl, benzoxazinyl,
pyridazinyl, purinyl, thienyl, furyl,
azaimidazopyridyl, piperidinyl, thienopyridinyl,
dihydrothienopyridinyl, carbostyryl, pyrimidyl and
30 pyrazinyl, wherein R¹ is optionally substituted at
a substitutable position with one or more radicals
selected from lower alkoxy, lower aminoalkoxy
optionally substituted on the nitrogen atom with
lower alkyl, lower cycloalkyl and lower aralkyl,
35 cyano, nitro, hydroxyl, lower alkyl, halo, lower
haloalkyl, lower haloalkoxy, lower
cycloalkylalkoxy, carboxyl, acyl, lower alkanoyl,

amide, lower alkylamide, lower aralkoxy, lower alkenyloxy, lower alkynyloxy, sulfonamidyl, lower dialkylsulfonamidyl, 5 to 20 membered heterocyclic, lower aralkyl, lower heteroaralkyl, lower

5 alkoxy carbonyl, 5 to 8 membered heteroaryl, lower alkylthio, lower alkylsulfinyl, lower alkylsulfonyl, lower alkenylthio, lower arylthio, lower aralkylthio, lower cycloalkylthio, lower alkylimino and amino optionally substituted with a

10 radical selected from lower alkyl, lower aralkyl, phenyl, lower alkenyl, lower alkynyl, lower cycloalkyl, acyl, lower cycloalkenyl, lower hydroxyalkyl, lower alkoxy carbonyl and lower alkoxyalkyl; wherein R^2 is selected from nitrogen-

15 containing heteroaryl, wherein R^2 is optionally substituted at a substitutable position with one or more radicals selected from lower alkoxy, amino, cyano, nitro, hydroxyl, lower alkyl, lower cycloalkyl, halo, lower haloalkyl, lower

20 haloalkoxy, carboxyl, lower alkanoyl, acyl, lower alkylamino, lower arylamino, lower alkylarylamino, lower alkanoylamino, lower alkylaminoalkyl, amide, lower alkylamide, lower alkoxy carbonyl, lower aryloxy carbonyl, lower aralkoxy carbonyl, lower

25 alkyl carbonyl, lower cycloalkyl carbonyl, lower alkyl carbonylalkyl, lower alkoxy carbonylalkyl, lower dialkyl carbamoyl, carbamoyloxy, lower aryloxy, lower aralkoxy, lower alkenyloxy, lower alkynyloxy, acyloxy, lower cycloalkylalkoxy, lower

30 aralkyl, optionally substituted lower aryl, lower aroyl, lower alkoxyalkyl, lower hydroxyalkyl, 5 to 20 membered heterocyclic, lower heteroaralkyl, lower alkylthio, lower alkylsulfinyl, lower alkylsulfonyl, lower arylthio, lower arylsulfinyl,

35 lower arylsulfonyl, sulfonamidyl and lower alkylsulfonamidyl; and wherein each of R^3 , R^4 , R^5 and R^6 is independently selected from hydrido,

lower alkyl, phenyl, naphthyl and lower aralkyl; or a pharmaceutically acceptable salt thereof.

8. Method of Claim 7 wherein R¹ is
- 5 selected from phenyl, naphthyl, thiazolyl, thiazolinyl, thiadiazolyl, oxazolyl, isoxazolyl, pyrazolyl, imidazolyl, imidazolinyl, pyridyl, quinolyl, dihydroquinolyl, tetrahydroquinolyl, isoquinolyl, azaquinolyl, azaisoquinolyl,
- 10 tetrahydroisoquinolyl, thiatetrahydroisoquinolyl, imidazopyridyl, azachromanyl, cycloheptenopyridine, benzimidazolyl, benzothiazolyl, benzoxazinyl, pyridazinyl, purinyl, thienyl, furyl, azaimidazopyridyl, piperidinyl, thienopyridinyl,
- 15 dihydrothienopyridinyl, carbostyryl, pyrimidyl and pyrazinyl, wherein R¹ is optionally substituted at a substitutable position with one or more radicals selected from methoxy, ethoxy, propoxy, butoxy, isopropoxy, tert-butoxy, aminomethoxy optionally
- 20 substituted on the nitrogen atom with methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl, tert-butyl, cyclohexyl, cyclopropyl and benzyl, hydroxyl, amino optionally substituted with a radical selected from methyl, ethyl, propyl, butyl,
- 25 pentyl, isopropyl, isobutyl, tert-butyl, benzyl, phenethyl, phenyl, butene, pentene, isopropylene, isobutylene, propargyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, formyl, acetyl, cyclobutenyl, cyclopentenyl, cyclohexenyl,
- 30 hydroxymethyl, methoxycarbonyl, ethoxycarbonyl, isopropoxycarbonyl, tert-butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, pentoxycarbonyl, and methoxymethyl, cyano, nitro, methyl, ethyl, propyl,
- 35 butyl, pentyl, isopropyl, isobutyl, tert-butyl, fluoro, chloro, bromo, iodo, fluoromethyl, difluoromethyl, trifluoromethyl, dichloromethyl,

- trichloromethyl, pentafluoroethyl,
heptafluoropropyl, difluorochloromethyl,
dichlorofluoromethyl, difluoroethyl,
difluoropropyl, dichloroethyl, dichloropropyl,
5 trifluoromethoxy, cyclohexylmethoxy, carboxyl,
formyl, acetyl, propionyl, amide, methylamide,
dimethylamide, benzyloxy, sulfonamidyl,
dimethylsulfonamidyl, morpholinyl, pyrrolidinyl,
piperazinyl, piperidyl, benzyl, methoxycarbonyl,
10 ethoxycarbonyl, pyridyl, methylthio,
methylsulfinyl, methylsulfonyl, phenylthio,
benzylthio, cyclohexylthio and methylimino; wherein
 R^2 is selected from pyridyl, indolyl, imidazolyl,
benzimidazolyl, naphthoimidazolyl, 1,3-
15 dioxolobenximidazolyl, imidazopyridyl,
imidazoquinolinyl, dihydroimidazoquinolinyl,
cycloheptoimidazolyl,
cyclooxaundecanobenzimidazolyl, benzoxazolyl,
benzothiazolyl, indolyl, thienoimidazolyl,
20 pyridopyrazinyl, quinolinyl, quinoxalinyl,
quinazolinyl, quinazolinonyl, triazolyl,
tetrazolyl, oxazolyl, purinyl, indenoimidazolyl,
thiadiazolyl, thiazolylpyridyl, pyridyl,
pyrimidinyl, pyranobenzimidazolyl,
25 thiopyranbenzimidazolyl, indolbenzimidazole,
tetrahydroimidazoquinolinyl, wherein R^2 is
optionally substituted at a substitutable position
with one or more radicals selected from methoxy,
ethoxy, propoxy, butoxy, isopropoxy, tert-butoxy,
30 amino, cyano, nitro, hydroxyl, methyl, ethyl,
propyl, butyl, pentyl, isopropyl, isobutyl, tert-
butyl, cyclohexyl, cyclopropyl, cyclobutyl, fluoro,
chloro, bromo, iodo, fluoromethyl, difluoromethyl,
trifluoromethyl, dichloromethyl, trichloromethyl,
35 pentafluoroethyl, heptafluoropropyl,
difluorochloromethyl, dichlorofluoromethyl,
difluoroethyl, difluoropropyl, dichloroethyl,

dichloropropyl, trifluoromethoxy, trifluoroethoxy, carboxyl, formyl, acetyl, propionyl, butyryl, N-methylamino, N-ethylamino, N-propylamino, N-butylamino, N-tert-butylamino, N-pentylamino, N-hexylamino, N,N-dimethylamino, phenylamino, N-methyl-N-phenylamino, methylaminomethyl, amide, N-methylamide, N,N-dimethylamide, methoxycarbonyl, ethoxycarbonyl, isopropoxycarbonyl, tert-butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, pentoxycarbonyl, phenoxy carbonyl, benzyloxycarbonyl, methylcarbonyl, cyclohexylcarbonyl, methylcarbonylmethyl, methoxycarbonylmethyl, N,N-dimethylcarbamoyl, carbamoyloxy, phenoxy, benzoxy, benzyl, phenethyl, phenyl, benzoyl, methoxymethyl, hydroxymethyl, morpholinyl, pyrrolidinyl, piperazinyl, piperidyl, methylthio, ethylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, phenylthio, phenylsulfinyl, phenylsulfonyl, sulfonamidyl, methylsulfonamidyl and N,N-dimethylsulfonamidyl; and wherein each of R³, R⁴, R⁵ and R⁶ is independently selected from hydrido, methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl, tert-butyl, phenyl and benzyl; or a pharmaceutically acceptable salt thereof.

9. Method of Claim 8 selected from compounds, and their pharmaceutically acceptable salts, of the group selected from:

- [2-[(2-N-isobutyl-N-methylamino)-benzyl]sulfinyl]-1H-benzimidazole;
- 2-[[3-methylpyridin-2-ylmethyl]sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;

- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-methyl-1H-benzimidazole;
- 5 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-methoxy-1H-benzimidazole;
- 5-chloro-2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-trifluoromethyl-1H-benzimidazole;
- 10 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 15 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-methoxy-1H-benzimidazole;
- 5-ethoxy-2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-4-methyl-1H-benzimidazole;
- 20 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-methyl-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5,6-dimethyl-1H-benzimidazole;
- 25 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5,6-dimethoxy-1H-benzimidazole;
- 5-chloro-2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-trifluoromethyl-1H-benzimidazole;
- 30 2-[[(2,3-dimethylimidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 2-[[(3-methylimidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 35 2-[[(2-phenylimidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;

- 2-[[[3-phenylimidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 2-[[[3-(4-nitrophenyl)imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 5 2-[[[3-[3-(trifluoromethyl)phenyl]imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 5-methyl-2-[[[3-[3-(trifluoromethyl)phenyl]imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 10 5-chloro-2-[[[3-[3-(trifluoromethyl)phenyl]imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 2-[[[3-[4-(trifluoromethyl)phenyl]imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 15 5-chloro-2-[[[3-[4-(trifluoromethyl)phenyl]imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 20 4-[8-[(1H-benzimidazol-2-ylsulfinyl)methyl]imidazo[1,2-a]pyridin-3-yl]benzoate;
- 2-[[[3-(4-chlorophenyl)imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 2-[[[3-(4-methylphenyl)imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 25 2-[(imidazo[1,2-a]pyridin-5-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-((n-butoxycarbonylmethyl)sulfinyl)thiazolo(5,4-b)pyridine;
- 30 5-chloro-2-((2-ethoxyethyl)sulfinyl)benzothiazole;
- 4,6-dimethyl-2-(((imidazo(1,2-a)pyridin-2-yl)methyl)thio)-1H-benzimidazole;
- 2-[3-methyl-4-(2-(N-benzyl-N-cyclohexylamino)-ethoxy)pyridyl]methylthio-1H-benzimidazole;
- 35 ethyl 2-[(1H-benzimidazol-2-yl)thiomethyl]-4-methyl-amino-5-pyrimidine carboxylate;
- 9-(benzimidazol-2-yl)sulfinyl-4-methoxy-2,3-

- cycloheptenopyridine;
2-(5-fluoro-2-(4-methoxy-2-pyridyl)-
phenylsulfinyl)-1H-benzimidazole;
5-difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)
5 methyl)sulfinyl)-1H-benzimidazole;
2-(((4-difluoromethoxy-3-methyl-2-pyridyl)
methylsulfinyl)benzimidazole;
2-[4(3-methoxypropoxy)-3-methylpyridine-2-yl]
methylsulfinyl-1H-imidazole;
10 2-((6-azachroman-5-ylmethyl)sulfinyl)-
benzimidazole;
5-carbomethoxy-6-methyl-2-(((3,4-dimethoxy-2-
pyridinyl)methyl)sulfinyl)-1H-benzimidazole;
5-carbomethoxy-6-methyl-2-(((3,4-dimethoxy-2-
15 pyridinyl)methyl)sulfinyl)-1H-benzimidazol-1-
yl-methyl ethyl carbonate;
2-((3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridyl)
methylsulfinyl)benzimidazole;
4-fluoro-2-(((4-methoxy-2-pyridinyl)methyl)
20 sulfinyl)-1H-benzimidazol-1-yl-methyl-
ethylcarbonate;
2-[3-methyl-4-(1-benzyl-4-piperidyl)oxy-2-pyridyl]
methylthio-1H-benzimidazole;
2-(3-methyl-4-(2-(N-methyl-N-(4-methyl-benzyl)
25 amino)ethoxy)-2-pyridyl)methylsulfonyl-1H-
benzimidazole;
2-(4-methoxy-6-methyl-2-pyrimidinyl)methylthio-1H-
benzimidazole;
2-[2-[N-4-(3-fluorophenyl)-butyl-N-methyl]
30 aminoethyl]thio-(1H)-benzimidazole;
5-chloro-2-(3,4-dimethoxy-2-pyridylmethylsulfinyl)-
1H-benzimidazole;
5-fluoro-2-(4-cyclopropylmethoxy-2-pyridylmethyl-
sulfinyl)-1H-benzimidazole;
35 4-fluoro-2-(4-methoxy-2-pyridylmethylsulfinyl)-
1H-benzimidazole;
2-(((4-methoxy-3,5-dimethyl-2-pyridinyl)-methyl)-

- sulfinyl)-5-methoxy-1H-benzimidazole;
5-hydroxymethyl-2-((3,5-dimethyl-4-methoxy-2-pyridyl)methylthio)-1H-benzimidazole;
2-(4-ethylthio-3-methylpyridin-2-yl-methyl)sulfinyl-benzimidazole;
5 2-(((4-(2-benzyloxyethoxy)-3-methyl-2-pyridyl)methylthio)benzimidazole;
2-[[2-[N-(2-hydroxyethyl)-N-methylamino]-5-methoxy]benzylsulfinyl]benzimidazole;
10 2-[2-(3,5-dimethyl-4-ethoxy)pyridylmethylsulfinyl]-5-methoxy-imidazo(4,5-b)pyridine;
2-(5-benzyl-4-chloro-6-methyl-2-pyrimidinyl)methylthio-1H-benzimidazole;
2,2-difluoro-6-((5-benzyloxy-4-methoxy-2-pyridyl)methylthio)-5H-(1,3)-dioxolo(4,5-f)benzimidazole;
15 5-carboethoxy-6-methyl-2-(((3-methyl-2-pyridyl)methyl)sulfinyl)-1H-benzimidazole;
5-(2-benzimidazolylsulfinylmethyl)-3,4-dihydro-4-methyl-2H-1,4-benzoxazine;
20 2-(3-methyl-4-(2-(N-benzyl-N-methylamino)ethoxy-2-pyridyl)methylsulfinyl)-1H-benzimidazole;
2-(3-methyl-4-(2-(1,2,3,4-tetrahydroisoquinolin-2-yl)-ethoxy)-2-pyridyl)methylsulfinyl)-1H-benzimidazole;
25 2-[1-(3,5-dimethylpyrazolyl)]methylthiobenzimidazole;
2-(3-chloro-4-methoxy-2-picolylthio)-5-methoxy-1H-benzimidazole;
30 2-(4-(2-ethoxyethoxy)-3-methyl-2-pyridyl)methylsulfinyl)-1H-benzimidazole;
2-(3-methylthieno(2,3-c)pyridin-7-yl)methylsulfinyl)-benzimidazole;
2-(2-dimethylamino-5-methoxybenzylsulfinyl)-5-methoxy-benzimidazole;
35 2-(2-dimethylamino-5-methylbenzylsulfinyl)-5-methoxybenzimidazole;

- 2-[4-(2,3,5-trimethyl)pyridylthio]-5-methoxybenzimidazole;
- 2-[(2-(4-chlorophenyl)-5-methylimidazol-4-yl)methylthio]benzimidazole;
- 5 2-(5-hydroxy-1H-benzimidazol-2-ylsulfinylmethyl)-N,N-dimethylbenzenamine;
- 2-((6-methoxyisoquinolin-1-yl)methylsulfinyl)benzimidazole;
- 3-(5-methoxy-1H-benzimidazol-2-yl)thiomethylcarbostyryl;
- 10 5-methoxy-2-(4-dimethylamino-5-fluoro-2-pyridylmethylsulfinyl)-1H-benzimidazole;
- 2-(2-dimethylaminobenzyl-sulfinyl)-5-cyclopropylmethoxybenzimidazole;
- 15 2-(3,5-dimethyl-2-pyridylmethylsulfinyl)-5-cyclopropylmethoxy-benzimidazole;
- 2-[2-(N-cyclohexyl-N-methylamino)benzylsulfonyl]benzimidazole;
- 8-(5-fluoro-6-methoxy-2-benzimidazolyl)sulfinylmethyl-1-ethyl-4-(N-methyl-N-allyl)amino-1,2,3,4-tetrahydroquinoline;
- 20 2-(2-benzyloxycarbonylaminobenzylthio)benzimidazole;
- 2-(2-benzimidazolylmethylthio)pyrimidine;
- 25 2-(2-dimethylaminobenzylsulfinyl)imidazo[4,5-b]-pyridine;
- 2-(2-pyridylmethylsulfinyl)quinoxaline;
- 2-methyl-3-(2-pyridylmethylsulfinyl)pyrido[2,3-b]pyrazine;
- 30 5-acetyl-2-((2-dimethylaminobenzyl)sulfinyl)benzimidazole;
- 2-((3,5-dimethyl-4-methoxy-2-pyridyl)methylsulfinyl)-5-fluoro-1H-benzimidazole;
- 2-(3-pyridylmethylthio)-5-methoxybenzimidazole;
- 35 2-(2-methylaminobenzylsulfinyl)benzimidazole;
- 5-methoxy-2-(2-dimethylaminobenzylsulfinyl)-1H-benzimidazole;

- 2-(3,4-dimethoxypyrid-2-ylmethylsulfinyl)-5-trifluoromethyl-benzimidazole;
5-methoxy-2-(4-piperidino-2-pyrimidinylmethylsulfinyl)-(1H)-benzimidazole;
5 2-[2-(4-benzyloxy)-pyridylmethylsulfinyl]benzimidazole;
4-allyloxy-8-(2-benzimidazolyl)thio-3-methyl-5,6,7,8-tetrahydroquinoline;
2-[2-(4-methoxy-5-n-pentyl)-pyridylmethylthio]benzimidazole;
10 2-(5-bromo-4-piperidino-2-pyridylmethylsulfinyl)-5-methoxy-(1H)-benzimidazole;
2-((3,5-dimethyl-4-morpholinopyrid-2-yl)methylsulfinyl)benzimidazole;
15 2-((2-pyridinylmethyl)sulfinyl)-1H-benzimidazole-1-methanol;
2-((3,4-dihydro-2H-thieno(3,2-c)pyridinylmethylthio)-1H-benzimidazole-1-methanol;
2-(4-isopropoxy-2-pyridyl)methylsulfinylbenzimidazole;
20 2-((4-fluorobenzyloxy-3-methyl-2-pyridyl)methylsulfinyl)benzimidazole;
2-(2-aminobenzylsulfinyl)-benzimidazole;
N,N-dimethyl-2-(1H-benzimidazol-2-yl)sulfinylmethyl)benzenamine;
25 2-[(4,5-dimethoxy-2-pyridyl)methylsulfinyl]-5-trifluoromethoxy-1H-benzimidazole;
2,2-difluoro-6-[(4,5-dimethoxy-2-pyridyl)methylthio]-5H-1,3-dioxolo-(4,5-f)benzimidazole;
30 2-((4-morpholinyl-3-ethylpyridin-2-ylmethyl)sulfinyl)-5-trifluoromethylbenzimidazole;
2-((4-methoxy-2-pyridyl)methylsulfinyl)-5-trifluoromethoxy-1H-benzimidazole;
35 5-cyclopropylcarbonyl-2-((4-methoxy-2-pyridyl)methyl-sulfinyl)-1H-benzimidazole;

- 2-[2-(3,5-dimethyl-4-methoxy)-pyridylmethyl
sulfinyl]-(5-chloro)-benzimidazole;
2-[2-(4,5-dimethyl)-pyridylmethylsulfinyl]-(5-
acetyl-6-methyl)-benzimidazole;
5 1-(p-chlorobenzoyl)-2-(β -morpholinylmethyl-
sulfinyl)benzimidazole;
2,3-dihydro-2-(2-pyridyl)thiazolo[3,2-
a]benzimidazole-1-oxide;
2-[(2-pyridylmethyl)thio]-1H-naphth[2,3-
10 d]imidazole;
1,5,6,7-tetrahydro-2-(5-methyl-2-pyridyl-methyl)-
thio)indeno(5,6-d)imidazole;
4-methyl-2-(5-methyl-2-pyridyl-methylthio)-1H-
naphtho(2,3-d)imidazole ;
15 2,2-difluoro-6-(4-methoxy-2-pyridylmethylsulfinyl)-
5H-1,3-dioxolo[4,5-f]benzimidazole;
2-benzylthio-(4H)-imidazo(4,5,1-ij)quinoline;
2-(2-chlorophenylmethylthio)-5,6-dihydro-(4H)-
imidazo(4,5,1-ij)quinoline;
20 5,6-dihydro-2-(2-pyridylmethylthio)-4H-
imidazo(4,5,1-ij)quinoline;
5,6-dihydro-2-(2-(3,5-dimethylpyridyl)
methylsulfinyl)-4H-imidazo;
5,7-dihydro-2-(((4-methoxy-3-methyl-2-pyridyl)
25 methyl)sulfinyl)-5,5,7,7-tetramethylindeno
(5,6-d)imidazol-6(1H)-one;
2-(2-pyridylmethylthio)-6-isopropyl-
cycloheptoimidazole;
2-[2-(3,5-dimethyl)pyridylmethylsulfinyl]5-fluoro-
30 benzoxazole;
3-[(4-dimethylamino-2-pyridyl)methylthio]indole;
5-methyl-2-(2-pyridylmethylthio-3H-thieno(2,3-d)
imidazole;
2-(2-(3,5-dimethyl-4-methoxy)pyridylmethylsulfinyl)
35 -7-imidazo(4,5-b)pyridine;
2-(2-pyridylmethylsulfinyl)quinoxaline;

- 2-[(2-pyridyl)methylsulfinyl]thieno[3,4-d]-
imidazole;
- 2-(((3,5-dimethyl-4-methoxy-2-pyridyl)methyl)thio)-
4,5-diphenyloxazole;
- 5 3,5-dimethyl-4-methoxy-6-(((5-phenyl-1,2,4-triazol-
3-yl)-thio)methyl)pyridine;
- 2-(((3,5-dimethyl-4-methoxy-2-pyridyl)methyl)
sulfinyl)-4,5-diphenylimidazole;
- 10 5-(((4,5-diphenyl-2-oxazolyl)sulfinyl)methyl)-2,2-
dimethyl-8-methyl-4H-1,3-dioxino(4,5-c)
pyridine;
- 5-(((3,5-dimethyl-4-methoxy-2-pyridyl)methyl)
sulfinyl)-1-methyltetrazole;
- 6-benzoylamino-7-chloro-2-(((3,5-dimethyl-4-
15 methoxy-2-pyridyl)-methyl)thio)benzothiazole;
- 2-[[(3,5-dimethyl-4-methoxy-2-pyridyl)-methyl]thio]
quinoline;
- 2-[2-(3,5-dimethyl)pyridylmethylsulfinyl]-5-
methoxy-imidazo[4,5-b]pyridine;
- 20 5-(4,5-dihydro-2-oxazolyl)-2-((3,5-dimethyl-4-
methoxy-2-pyridyl)methylthio)-1H-
benzimidazole;
- 2-(2-dimethylaminobenzylsulfinyl)-5-methoxyimidazo
[4,5-b]-pyridine;
- 25 3-phenyl-2-(2-pyridylmethylsulfinyl)-4(3H)-
quinazolinone;
- 4-amino-2-(2-pyridylmethylthio)quinazoline;
- 2-(4-morpholinyl-2-pyrimidinylmethylthio)
thieno(3,4-d)imidazole;
- 30 8-[2'-(N,N-dimethylanily)methylthio]purine;
- 2-[2'-(N,N-dimethylanily)methylthio]thieno-(3,4-d)-
imidazole;
- 2-(4-methoxy-2-picolinylthio)-1H-thieno[3,4-
d]imidazole;
- 35 2-(2-pyridylmethyl)thio-8H-indeno(1,2-d)imidazole;
- 2-(4-methoxy-5-chloro-2-picolylthio)-1H-thieno(3,4-
d)imidazole;

- 2-[2-(1-pyrrolidinyl)benzylthio]
cycloheptoimidazole;
2-(2-acetylaminophenyl)methylthio
cycloheptoimidazole;
5 2-amino-5-(2-(2-pyridyl)ethylthio)-1,3,4-
thiadiazole;
2-gernaylthio-benzimidazole;
2-(2-chlorobenzylthio)-8,8-dimethyl-6-oxo-5,6,7,8-
tetrahydro-3H-imidazo[4,5-g]quinoline;
10 8-(2-pyrimidinyl-sulfinyl)quinoline;
2-((3-methyl-2-pyridyl)methylsulfinyl)pyrano(2,3-f)
benzimidazole;
2-[(2-isobutylamino)benzylsulfinyl]imidazole;
ethyl 2-((1H-benzimidazol-2-yl)-sulfinylmethyl)-4-
15 dimethylamino-5-pyrimidinecarboxylate;
2-((2-ethoxyethyl)sulfinyl)-4-(3-pyridyl)thiazole;
2-[2-(2-propynylamino)benzylsulfinyl]imidazole;
2-(2-(2-methoxyethylamino)benzylsulfinyl)imidazole;
1-(2-pyridyl)-2-(3-dimethylamino)benzylsulfinyl)
20 imidazole;
2-(2-methylaminobenzylthio)-4,5,6,7-tetrahydro-1H-
benzimidazole;
4,5-diphenyl-2-(2-pyridylmethyl)-thioimidazole;
4-phenyl-2-(2-pyridylmethyl)thioimidazole;
25 4,5-bis(4-methoxyphenyl)-2-(2-
thienylthio)imidazole;
2-(3-chloro-2-pyridinylthiomethyl)-4,5-dihydro-1H-
imidazole;
1-methyl-2-(2-pyrimidinylthiomethyl)-5-nitro-
30 imidazole;
1-methyl-2-(2-pyridylsulfonylmethyl)-5-
nitroimidazole;
1-methyl-2-(5-bromo-2-pyridylthiomethyl)-5-nitro-
imidazole;
35 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]
benzenamine;

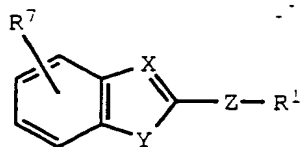
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]N,N-
dimethylbenzenamine;
N-[2-[(1H-benzimidazol-2-ylsulfinyl)methyl]phenyl]
acetamide;
5 2-[[[(4-methyl-1H-benzimidazol-2-yl)sulfinyl]methyl]
benzenamine;
2-[[[(5,6-dimethyl-1H-benzimidazol-2-
yl)sulfinyl]methyl]benzenamine;
2-[[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]
10 methyl]benzenamine;
methyl 2-[[[(2-aminophenyl)methyl]sulfinyl]-5-
methoxy-1H-benzimidazole-6-carboxylate;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
chlorobenzenamine;
15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5-
chlorobenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
methoxybenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-
20 methoxybenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3-
methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
methylbenzenamine;
25 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-
methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4,6-
dimethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-
30 methylbenzenamine;
2-[[[(5-methoxy-1H-benzimidazol-2-
yl)sulfinyl]methyl]-4-methylbenzenamine;
2-[[[(5-methoxy-1H-benzimidazol-2-
yl)sulfinyl]methyl]-6-methylbenzenamine;
35 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
ethylbenzenamine;

- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-ethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-methoxy-3,5-dimethylbenzenamine;
5 2-[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl]-methyl]benzenamine;
2-[[(5-chloro-1H-benzimidazol-2-yl)sulfinyl]-methyl]benzenamine;
2-[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-methyl]benzenamine;
10 2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-yl)sulfinyl]methyl]benzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-(trifluoromethyl)benzenamine;
15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-butylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5,6-dimethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,6-dimethylbenzenamine;
20 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-6-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-6-methoxy-3-methylbenzenamine;
25 2-[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-methyl]-4-methylbenzenamine;
2-[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl]-methyl]-5,6-dimethylbenzenamine;
2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-yl)sulfinyl]-3,6-dimethylbenzenamine;
30 2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-yl)sulfinyl]methyl]-6-methoxybenzenamine;
methyl 2-amino-3-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzoate;
35 ethyl 4-amino-3-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzoate;

- ethyl 4-amino-3-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]benzoate;
2-[[(5,6-dimethoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-4-methylbenzenamine;
5 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-fluorobenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,4,5-trimethylbenzenamine;
2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-4-methoxy-3,5-dimethylbenzenamine;
10 3-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzenamine;
3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
15 3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N,N-dimethyl-2-pyridinamine;
6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
6-[[(4-methyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
20 6-[[(5-methyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-2-pyridinamine;
25 6-[[(5-chloro-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(5-(trifluoromethyl)-1H-benzimidazol-2-yl)sulfinyl]methyl]-2-pyridinamine;
6-[[(5-ethoxy-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
30 6-[[(5,6-dimethoxy-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(5,6-dimethyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
35 6-[[(4,6-dimethyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;

- 6-[[[5-(hydroxymethyl)-1H-benzimidazol-2-yl]sulfinyl]methyl]-2-pyridinamine;
 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-(2,2-dimethylpropyl)-2-pyridinamine;
 5 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-ethyl-2-pyridinamine; and
 5-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine.

- 10 10. A method of treating viral infection in a subject, said method comprising treating said subject with an effective amount of a compound of Formula II



II

15

wherein X is selected from CH or N;
 wherein Y is selected from CH₂, NR⁸, O
 and S;

- 20 wherein Z is selected from -S(O)_m-,
 -(CR³R⁴)_pS(O)_m- and -S(O)_m(CR⁵R⁶)_n-;
 wherein each of m, n and p is a number
 independently selected from 0, 1 and 2;

- wherein R¹ is selected from aryl and
 25 heteroaryl, wherein R¹ is optionally substituted at
 a substitutable position with one or more radicals
 selected from alkoxy, aminoalkoxy optionally
 substituted on the nitrogen atom with alkyl,
 cycloalkyl and aralkyl, cyano, nitro, hydroxyl,
 30 alkyl, halo, haloalkyl, haloalkoxy,
 cycloalkylalkoxy, carboxyl, acyl, alkanoyl, amide,
 alkylamide, aralkoxy, alkenyloxy, alkynyloxy,
 sulfonamido, dialkylsulfonamido, heterocyclic,
 aralkyl, heteroaralkyl, alkoxycarbonyl, heteroaryl,
 35 alkylthio, alkylsulfinyl, alkylsulfonyl,

alkenylthio, arylthio, aralkylthio, cycloalkylthio, alkylimino and amino optionally substituted with a radical selected from alkyl, aralkyl, aryl, alkenyl, alkynyl, cycloalkyl, acyl, cycloalkenyl, hydroxyalkyl, alkoxycarbonyl and alkoxyalkyl;

wherein each of R^3 , R^4 , R^5 and R^6 is independently selected from hydrido, alkyl, aryl and aralkyl;

wherein R^7 is one or more radicals selected from alkoxy, amino, cyano, nitro, hydroxyl, alkyl, cycloalkyl, halo, haloalkyl, haloalkoxy, carboxyl, alkanoyl, acyl, alkylamino, arylamino, alkylaryl amino, alkanoylamino, alkylaminoalkyl, amide, alkylamide, alkoxycarbonyl, aryloxy carbonyl, aralkoxy carbonyl, alkyl carbonyl, cycloalkyl carbonyl, alkyl carbonyl alkyl, alkoxycarbonyl alkyl, dialkyl carbamoyl, carbamoyloxy, aryloxy, aralkoxy, alkenyloxy, alkynyloxy, acyloxy, cycloalkyl alkoxy, aralkyl, aryl, aroyl, alkoxyalkyl, hydroxyalkyl, heterocyclic, heteroaralkyl, alkylthio, alkylsulfinyl, alkylsulfonyl, arylthio, arylsulfinyl, alkylsulfonyl, sulfonamido and alkylsulfonamido; or wherein R^5 and R^8 taken together form a ring; and

wherein R^8 is selected from hydrido, alkyl, alkenyl, hydroxyalkyl, acyl, alkoxyalkyl, aryl, aryloxyalkyl, alkylthioalkyl, aralkyl, alkoxycarbonyl, amide, alkanoyl, alkyl carbamoyl and alkylsulfonyl; provided that when m is 0, R^8 is not 1-(β -D-ribofuranosyl)benzimidazole;

or a pharmaceutically acceptable salt thereof.

11. Method of Claim 10 wherein R^1 is selected from phenyl, naphthyl, thiazolyl, thiazolinyl, thiadiazolyl, oxazolyl, isoxazolyl,

pyrazolyl, imidazolyl, imidazoliny, pyridyl,
quinolyl, dihydroquinolyl, tetrahydroquinolyl,
isoquinolyl, azaquinolyl, azaisoquinolyl,
tetrahydroisoquinolyl, thiatetrahydroisoquinolyl,
5 imidazopyridyl, azachromanyl, cycloheptenopyridine,
benzimidazolyl, benzothiazolyl, benzoxazinyl,
pyridazinyl, purinyl, thienyl, furyl,
azaimidazopyridyl, piperidyl, thienopyridinyl,
dihydrothienopyridinyl, carbostyryl, pyrimidyl and
10 pyrazinyl, wherein R^1 is optionally substituted at
a substitutable position with one or more radicals
selected from lower alkoxy, lower aminoalkoxy
optionally substituted on the nitrogen atom with
lower alkyl, lower cycloalkyl and lower aralkyl,
15 cyano, nitro, hydroxyl, lower alkyl, halo, lower
haloalkyl, lower haloalkoxy, lower
cycloalkylalkoxy, carboxyl, acyl, lower alkanoyl,
amide, lower alkylamide, lower aralkoxy, lower
alkenyloxy, lower alkynyloxy, sulfonamido, lower
20 dialkylsulfonamido, 5 to 20 membered heterocyclic,
lower aralkyl, lower heteroaralkyl, lower
alkoxycarbonyl, 5 to 8 membered heteroaryl, lower
alkylthio, lower alkylsulfinyl, lower
alkylsulfonyl, lower alkenylthio, lower arylthio,
25 lower aralkylthio, lower cycloalkylthio, lower
alkylimino and amino optionally substituted with a
radical selected from lower alkyl, lower aralkyl,
phenyl, lower alkenyl, lower alkynyl, lower
cycloalkyl, acyl, lower cycloalkenyl, lower
30 hydroxyalkyl, lower alkoxycarbonyl and lower
alkoxyalkyl, wherein each of R^3 , R^4 , R^5 and R^6 is
independently selected from hydrido, lower alkyl,
phenyl, naphthyl and lower aralkyl; wherein R^7 is
one or more radicals selected from lower alkoxy,
35 amino, cyano, nitro, hydroxyl, lower alkyl, lower
cycloalkyl, halo, lower haloalkyl, lower
haloalkoxy, carboxyl, lower alkanoyl, acyl, lower

alkylamino, lower arylamino, lower alkylarylamino,
lower alkanoylamino, lower alkylaminoalkyl, amide,
lower alkylamide, lower alkoxy carbonyl, lower
aryloxy carbonyl, lower aralkoxy carbonyl, lower
5 alkyl carbonyl, lower cycloalkyl carbonyl, lower
alkyl carbonyl alkyl, lower alkoxy carbonyl alkyl,
lower dialkyl carbamoyl, carbamoyloxy, lower
aryloxy, lower aralkoxy, lower alkenyloxy, lower
alkynyloxy, acyloxy, lower cycloalkyl alkoxy, lower
10 aralkyl, optionally substituted lower aryl, lower
aroyl, lower alkoxy alkyl, lower hydroxy alkyl, 5 to
20 membered heterocyclic, lower heteroaralkyl,
lower alkylthio, lower alkylsulfinyl, lower
alkylsulfonyl, lower arylthio, lower arylsulfinyl,
15 lower arylsulfonyl, sulfonamido and lower
alkylsulfonamido; or wherein R⁵ and R⁸ taken
together form a ring; and wherein R⁸ is selected
from hydrido, lower alkyl, lower alkenyl, lower
hydroxy alkyl, acyl, lower alkoxy alkyl, phenyl,
20 naphthyl, lower aryloxy alkyl, lower alkylthioalkyl,
lower aralkyl, lower alkoxy carbonyl, amide, lower
alkanoyl, lower alkyl carbamoyl and lower
alkylsulfonyl; or a pharmaceutically acceptable
salt thereof.

25

12. Method of Claim 11 wherein R¹ is
optionally substituted at a substitutable position
with one or more radicals selected from methoxy,
ethoxy, propoxy, butoxy, isopropoxy, tert-butoxy,
30 aminomethoxy optionally substituted on the nitrogen
atom with methyl, ethyl, propyl, butyl, pentyl,
isopropyl, isobutyl, tert-butyl, cyclohexyl,
cyclopropyl and benzyl, amino optionally
substituted with a radical selected from methyl,
35 ethyl, propyl, butyl, pentyl, isopropyl, isobutyl,
tert-butyl, benzyl, phenethyl, phenyl, butene,
pentene, isopropylene, isobutylene, propargyl,

- cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, formyl, acetyl, cyclobutenyl, cyclopentenyl, cyclohexenyl, hydroxymethyl, methoxycarbonyl, ethoxycarbonyl, isopropoxycarbonyl, tert-
- 5 butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, pentoxycarbonyl, and methoxymethyl, cyano, nitro, hydroxyl, methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl, tert-butyl, fluoro, chloro, bromo, iodo,
- 10 fluoromethyl, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, pentafluoroethyl, heptafluoropropyl, difluorochloromethyl, dichlorofluoromethyl, difluoroethyl, difluoropropyl, dichloroethyl, dichloropropyl,
- 15 trifluoromethoxy, cyclohexylmethoxy, carboxyl, formyl, acetyl, propionyl, amide, methylamide, dimethylamide, benzyloxy, sulfonamido, dimethylsulfonamido, morpholinyl, pyrrolidinyl, piperazinyl, piperidyl, benzyl, methoxycarbonyl,
- 20 ethoxycarbonyl, pyridyl, methylthio, methylsulfinyl, methylsulfonyl, phenylthio, benzylthio, cyclohexylthio and methylimino; wherein each of R^3 , R^4 , R^5 and R^6 is independently selected from hydrido, methyl, ethyl, propyl,
- 25 butyl, pentyl, isopropyl, isobutyl, tert-butyl, phenyl and benzyl; wherein R^7 is one or more radicals selected from methoxy, ethoxy, propoxy, butoxy, isopropoxy, tert-butoxy, amino, cyano, nitro, hydroxyl, methyl, ethyl, propyl, butyl,
- 30 pentyl, isopropyl, isobutyl, tert-butyl, cyclohexyl, cyclopropyl, cyclobutyl, fluoro, chloro, bromo, iodo, fluoromethyl, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, pentafluoroethyl, heptafluoropropyl,
- 35 difluorochloromethyl, dichlorofluoromethyl, difluoroethyl, difluoropropyl, dichloroethyl, dichloropropyl, trifluoromethoxy, trifluoroethoxy,

carboxyl, formyl, acetyl, propionyl, butyryl, N-
 methylamino, N-ethylamino, N-propylamino, N-
 butylamino, N-tert-butylamino, N-pentylamino, N-
 hexylamino, N,N-dimethylamino, phenylamino, N-
 5 methy-N-phenylamino, methylaminomethyl, amide, N-
 methylamide, N,N-dimethylamide, methoxycarbonyl,
 ethoxycarbonyl, isopropoxycarbonyl, tert-
 butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl,
 isobutoxycarbonyl, pentoxycarbonyl,
 10 phenoxy carbonyl, benzyloxycarbonyl, methylcarbonyl,
 cyclohexylcarbonyl, methylcarbonylmethyl,
 methoxycarbonylmethyl, N,N-dimethylcarbamoyl,
 carbamoxyloxy, phenoxy, benzoxy, benzyl, phenethyl,
 phenyl, benzoyl, methoxymethyl, hydroxymethyl,
 15 morpholinyl, pyrrolidinyl, piperazinyl, piperidyl,
 methylthio, ethylthio, methylsulfinyl,
 ethylsulfinyl, methylsulfonyl, phenylthio,
 phenylsulfinyl, phenylsulfonyl, sulfonamido,
 methylsulfonamido and N,N-dimethylsulfonamido; or
 20 wherein R⁵ and R⁸ taken together form a ring; and
 wherein R⁸ is selected from hydrido, methyl, ethyl,
 propyl, butyl, pentyl, isopropyl, isobutyl, tert-
 butyl, butene, pentene, isopropylene, isobutylene,
 hydroxymethyl, phenyl, naphthyl, phenoxymethyl,
 25 methylthiomethyl, benzyl, phenethyl,
 methoxycarbonyl, ethoxycarbonyl,
 isopropoxycarbonyl, tert-butoxycarbonyl,
 propoxycarbonyl, n-butoxycarbonyl,
 isobutoxycarbonyl, pentoxycarbonyl, methoxymethyl,
 30 amide, formyl, acetyl, propionyl, butyryl,
 methylcarbamoyl and methylsulfonyl; or a
 pharmaceutically acceptable salt thereof.

13. Method of Claim 12 selected from
 35 compounds, and their pharmaceutically acceptable
 salts, of the group selected from:

- 2-[[3-methylpyridin-2-ylmethyl]sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;
- 5 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-methyl-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-methoxy-1H-benzimidazole;
- 10 5-chloro-2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-3-ylmethyl)sulfinyl]-5-trifluoromethyl-1H-benzimidazole;
- 15 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-methoxy-1H-benzimidazole;
- 20 5-ethoxy-2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-4-methyl-1H-benzimidazole;
- 25 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-methyl-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5,6-dimethyl-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5,6-dimethoxy-1H-benzimidazole;
- 30 5-chloro-2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-1H-benzimidazole;
- 2-[(imidazo[1,2-a]pyridin-8-ylmethyl)sulfinyl]-5-trifluoromethyl-1H-benzimidazole;
- 35 2-[[[(2,3-dimethylimidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-benzimidazole;

- 2-[[(3-methylimidazo[1,2-a]pyridin-8-yl)methyl]
sulfinyl]-1H-benzimidazole;
- 2-[[(2-phenylimidazo[1,2-a]pyridin-8-yl)methyl]
sulfinyl]-1H-benzimidazole;
- 5 2-[[(3-phenylimidazo[1,2-a]pyridin-8-yl)methyl]
sulfinyl]-1H-benzimidazole;
- 2-[[(3-(4-nitrophenyl)imidazo[1,2-a]pyridin-8-
yl)methyl]sulfinyl]-1H-benzimidazole;
- 10 2-[[[3-[3-(trifluoromethyl)phenyl]imidazo[1,2-
a]pyridin-8-yl)methyl]sulfinyl]-1H-
benzimidazole;
- 5-methyl-2-[[[3-[3-(trifluoromethyl)phenyl]imidazo
[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-
benzimidazole;
- 15 5-chloro-2-[[[3-[3-(trifluoromethyl)phenyl]imidazo
[1,2-a]pyridin-8-yl)methyl]sulfinyl]-1H-
benzimidazole;
- 2-[[[3-[4-(trifluoromethyl)phenyl]imidazo[1,2-a]
pyridin-8-yl)methyl]sulfinyl]-1H-
20 benzimidazole;
- 5-chloro-2-[[[3-[4-(trifluoromethyl)phenyl]
imidazo[1,2-a]pyridin-8-yl)methyl]sulfinyl]-
1H-benzimidazole;
- 4-[8-[(1H-benzimidazol-2-yl)sulfinyl)methyl]
25 imidazo[1,2-a]pyridin-3-yl]benzoate;
- 2-[[[3-(4-chlorophenyl)imidazo[1,2-a]pyridin-
8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 2-[[[3-(4-methylphenyl)imidazo[1,2-a]pyridin-
8-yl)methyl]sulfinyl]-1H-benzimidazole;
- 30 2-[(imidazo[1,2-a]pyridin-5-yl)methyl]sulfinyl]-1H-
benzimidazole;
- 4,6-dimethyl-2-(((imidazo[1,2-a]pyridin-2-
yl)methyl)thio)-1H-benzimidazole;
- 2-[3-methyl-4-(2-(N-benzyl-N-cyclohexylamino)-
35 ethoxy)pyridyl]methylthio-1H-benzimidazole;
- ethyl 2-[(1H-benzimidazol-2-yl)thiomethyl]-4-
methyl-amino-5-pyrimidine carboxylate;

- 2-(5-fluoro-2-(4-methoxy-2-pyridyl)-
phenylsulfinyl)-1H-benzimidazole;
5-difluoromethoxy-2-(((3,4-dimethoxy-2-pyridinyl)
methyl)sulfinyl)-1H-benzimidazole;
5 2-(((4-difluoromethoxy-3-methyl-2-pyridyl)
methylsulfinyl)benzimidazole;
2-((6-azachroman-5-ylmethyl)sulfinyl)-
benzimidazole;
5-carbomethoxy-6-methyl-2-(((3,4-dimethoxy-2-
pyridinyl)methyl)sulfinyl)-1H-benzimidazole;
10 5-carbomethoxy-6-methyl-2-(((3,4-dimethoxy-2-
pyridinyl)methyl)sulfinyl)-1H-benzimidazol-1-
yl-methyl ethyl carbonate;
2-((3-methyl-4-(2,2,2-trifluoroethoxy)-2-pyridyl)
methylsulfinyl)benzimidazole;
15 4-fluoro-2-(((4-methoxy-2-pyridinyl)methyl)
sulfinyl)-1H-benzimidazol-1-yl-methyl-
ethylcarbonate;
2-[3-methyl-4-(1-benzyl-4-piperidyl)oxy-2-pyridyl]
methylthio-1H-benzimidazole;
20 2-(3-methyl-4-(2-(N-methyl-N-(4-methyl-benzyl)
amino)ethoxy)-2-pyridyl)methylsulfonyl-1H-
benzimidazole;
2-(4-methoxy-6-methyl-2-pyrimidinyl)methylthio-1H-
25 benzimidazole;
5-chloro-2-(3,4-dimethoxy-2-pyridylmethylsulfinyl)-
1H-benzimidazole;
5-fluoro-2-(4-cyclopropylmethoxy-2-pyridylmethyl-
sulfinyl)-1H-benzimidazole;
30 4-fluoro-2-(4-methoxy-2-pyridylmethylsulfinyl)-
1H-benzimidazole;
2-(((4-methoxy-3,5-dimethyl-2-pyridyl)-methyl)-
sulfinyl)-5-methoxy-1H-benzimidazole;
5-hydroxymethyl-2-((3,5-dimethyl-4-methoxy-2-
35 pyridyl)methylthio-1H-benzimidazole;
2-(4-ethylthio-3-methylpyrid-2-yl-methyl)sulfinyl-
benzimidazole;

- 2-(((4-(2-benzyloxyethoxy)-3-methyl-2-pyridyl)
methylthio)benzimidazole;
2-[[2-[N-(2-hydroxyethyl)-N-methylamino]-5-methoxy]
benzylsulfinyl]benzimidazole;
5 2-(5-benzyl-4-chloro-6-methyl-2-pyrimidinyl)
methylthio-1H-benzimidazole;
5-carboethoxy-6-methyl-2-(((3-methyl-2-
pyridyl)methyl)sulfinyl)-1H-benzimidazole;
5-(2-benzimidazolylsulfinylmethyl)-3,4-dihydro-
10 4-methyl-2H-1,4-benzoxazine;
2-(3-methyl-4-(2-(N-benzyl-N-methylamino)ethoxy-2-
pyridyl)methylsulfinyl)-1H-benzimidazole;
2-(3-methyl-4-(2-(1,2,3,4-tetrahydroisoquinolin-
2-yl)-ethoxy)-2-pyridyl)methylsulfinyl-1H-
15 benzimidazole;
2-[1-(3,5-dimethylpyrazolyl)]
methylthiobenzimidazole;
2-(3-chloro-4-methoxy-2-picolythio)-5-methoxy-1H-
benzimidazole;
20 2-(4-(2-ethoxyethoxy)-3-methyl-2-pyridyl)
methylsulfinyl-1H-benzimidazole;
2-(3-methylthieno(2,3-c)pyridin-7-yl)
methylsulfinyl)-benzimidazole;
2-(2-dimethylamino-5-methoxybenzylsulfinyl)-5-
25 methoxy-benzimidazole;
2-(2-dimethylamino-5-methylbenzylsulfinyl)-5-
methoxybenzimidazole;
2-[4-(2,3,5-trimethyl)pyridylthio]-5-
methoxybenzimidazole;
30 2-[(2-(4-chlorophenyl)-5-methylimidazol-4-
yl)methylthio]benzimidazole;
2-(5-hydroxy-1H-benzimidazol-2-ylsulfinylmethyl)-
N,N-dimethylbenzenamine;
2-((6-methoxyisoquinolin-1-yl)methylsulfinyl)
35 benzimidazole;
3-(5-methoxy-1H-benzimidazol-2-
yl)thiomethylcarbostyryl;

- 5-methoxy-2-(4-dimethylamino-5-fluoro-2-pyridylmethylsulfinyl)-1H-benzimidazole;
2-(2-dimethylaminobenzylsulfinyl)-5-cyclopropylmethoxybenzimidazole;
5 2-(3,5-dimethyl-2-pyridylmethylsulfinyl)-5-cyclopropylmethoxy-benzimidazole;
2-[2-(N-cyclohexyl-N-methylamino)benzylsulfonyl]benzimidazole;
8-(5-fluoro-6-methoxy-2-benzimidazolyl)sulfinylmethyl-1-ethyl-4-(N-methyl-N-allyl)amino-1,2,3,4-tetrahydroquinoline;
10 2-(2-benzyloxycarbonylaminobenzylthio)benzimidazole;
2-(2-benzimidazolylmethylthio)pyrimidine;
15 5-acetyl-2-((2-dimethylaminobenzyl)sulfinyl)benzimidazole;
2-((3,5-dimethyl-4-methoxy-2-pyridyl)methylsulfinyl)-5-fluoro-1H-benzimidazole;
2-(3-pyridylmethylthio)-5-methoxybenzimidazole;
20 2-(2-methylaminobenzylsulfinyl)benzimidazole;
5-methoxy-2-(2-dimethylaminobenzylsulfinyl)-1H-benzimidazole;
2-(3,4-dimethoxypyrid-2-ylmethylsulfinyl)-5-trifluoromethyl-benzimidazole;
25 5-methoxy-2-(4-piperidino-2-pyrimidinylmethylsulfinyl)-(1H)-benzimidazole;
2-[2-(4-benzyloxy)-pyridylmethylsulfinyl]benzimidazole;
4-allyloxy-8-(2-benzimidazolyl)thio-3-methyl-5,6,7,8-tetrahydroquinoline;
30 2-[2-(4-methoxy-5-n-pentyl)-pyridylmethylthio]benzimidazole;
2-(5-bromo-4-piperidino-2-pyridylmethylsulfinyl)-5-methoxy-(1H)-benzimidazole;
35 2-((3,5-dimethyl-4-morpholinopyrid-2-yl)methylsulfinyl)benzimidazole;
2-((2-pyridinylmethyl)sulfinyl)-1H-benzimidazole-1-

- methanol;
2-((3,4-dihydro-2H-thieno(3,2-c)pyridinylmethyl)
thio)-1H-benzimidazole-1-methanol;
2-(4-isopropoxy-2-pyridyl)
5 methylsulfinylbenzimidazole;
2-((4-fluorobenzyloxy-3-methyl-2-pyridyl)
methylsulfinyl)benzimidazole;
2-(2-aminobenzylsulfinyl)-benzimidazole;
N,N-dimethyl-2-(1H-benzimidazol-2-yl-
10 sulfinylmethyl)benzenamine;
2-[(4,5-dimethoxy-2-pyridyl)methylsulfinyl]-5-
trifluoromethoxy-1H-benzimidazole;
2-((4-morpholinyl-3-ethylpyridin-2-ylmethyl)
sulfinyl)-5-trifluoromethylbenzimidazole;
15 2-((4-methoxy-2-pyridyl)methylsulfinyl)-5-
trifluoromethoxy-1H-benzimidazole;
5-cyclopropylcarbonyl-2-((4-methoxy-2-pyridyl)
methyl-sulfinyl)-1H-benzimidazole;
2-[2-(3,5-dimethyl-4-methoxy)-pyridyl
20 methylsulfinyl]-(5-chloro)-benzimidazole;
2-[2-(4,5-dimethyl)-pyridylmethylsulfinyl]-(5-
acetyl-6-methyl)-benzimidazole;
2-[2-(3,5-dimethyl)pyridylmethylsulfinyl]5-fluoro-
benzoxazole;
25 3-[(4-dimethylamino-2-pyridyl)methylthio]indole;
6-benzoylamino-7-chloro-2-(((3,5-dimethyl-4-
methoxy-2-pyridyl)-methyl)thio)benzothiazole;
5-(4,5-dihydro-2-oxazolyl)-2-((3,5-dimethyl-4-
methoxy-2-pyridyl)methylthio)-1H-
30 benzimidazole;
2-gernaylthio-benzimidazole;
ethyl 2-((1H-benzimidazol-2-yl)-sulfinylmethyl)-4-
dimethylamino-5-pyrimidinecarboxylate;
2-[(1H-benzimidazol-2-ylsulfinyl)
35 methyl]benzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]N,N-
dimethylbenzenamine;

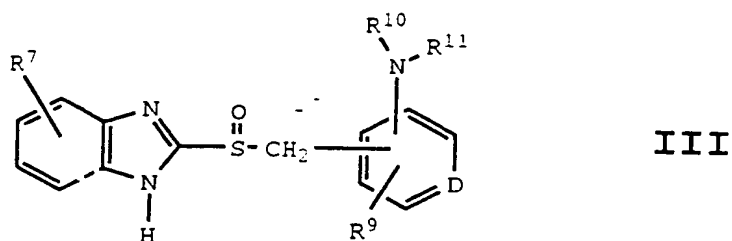
- N-[2-[(1H-benzimidazol-2-ylsulfinyl)methyl]phenyl]
acetamide;
- 2-[[(4-methyl-1H-benzimidazol-2-yl)sulfinyl]methyl]
benzenamine;
- 5 2-[[(5,6-dimethyl-1H-benzimidazol-2-
yl)sulfinyl]methyl]benzenamine;
- 2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]
methyl]benzenamine;
- 10 methyl 2-[[(2-aminophenyl)methyl]sulfinyl]-5-
methoxy-1H-benzimidazole-6-carboxylate;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
chlorobenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5-
chlorobenzenamine;
- 15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
methoxybenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-
methoxybenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3-
20 methylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
methylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-
methylbenzenamine;
- 25 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4,6-
dimethylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-
methylbenzenamine;
- 2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]
30 methyl]-4-methylbenzenamine;
- 2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]
methyl]-6-methylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
ethylbenzenamine;
- 35 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-
ethylbenzenamine;

- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-methoxy-
3,5-dimethylbenzenamine;
2-[[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl]-
methyl]benzenamine;
5 2-[[[(5-chloro-1H-benzimidazol-2-yl)sulfinyl]-
methyl]benzenamine;
2-[[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-
methyl]benzenamine;
2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-
10 yl)sulfinyl]methyl]benzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
(trifluoromethyl)benzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
butylbenzenamine;
15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5,6-
dimethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,6-
dimethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-
20 6-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-6-
methoxy-3-methylbenzenamine;
2-[[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-
methyl]-4-methylbenzenamine;
25 2-[[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl]-
methyl]-5,6-dimethylbenzenamine;
2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-
yl)sulfinyl]-3,6-dimethylbenzenamine;
2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-
30 yl)sulfinyl]methyl]-6-methoxybenzenamine;
methyl 2-amino-3-[(1H-benzimidazol-2-ylsulfinyl)
methyl]benzoate;
ethyl 4-amino-3-[(1H-benzimidazol-2-
ylsulfinyl)methyl]benzoate;
35 ethyl 4-amino-3-[[[(5-methoxy-1H-benzimidazol-2-
yl)sulfinyl]methyl]benzoate;

- 2-[[5,6-dimethoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-4-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-fluorobenzenamine;
5 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,4,5-trimethylbenzenamine;
2-[[5-methoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-4-methoxy-3,5-dimethylbenzenamine;
3-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzenamine;
10 3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N,N-dimethyl-2-pyridinamine;
15 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
6-[[4-methyl-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
6-[[5-methyl-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
20 6-[[5-methoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
6-[[5-chloro-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
25 6-[[5-(trifluoromethyl)-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
6-[[5-ethoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
6-[[5,6-dimethoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
30 6-[[5,6-dimethyl-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
6-[[4,6-dimethyl-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;
35 6-[[5-(hydroxymethyl)-1H-benzimidazol-2-yl)sulfinyl)methyl]-2-pyridinamine;

- 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-(2,2-dimethylpropyl)-2-pyridinamine;
 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-ethyl-2-pyridinamine; and
 5 5-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine.

14. A method of inhibiting a viral protease, said method comprising treating said
 10 subject with an effective amount of a compound of Formula III



- 15 wherein D is N or CH;
 wherein R⁷ is one or more radicals selected from hydrido, alkoxy, amino, cyano, nitro, hydroxyl, alkyl, halo, haloalkyl, carboxyl, alkanoyl, nitro, amino, alkylamino, amide,
 20 alkylamide, alkoxycarbonyl, alkylthio, alkylsulfinyl and alkylsulfonyl;
 wherein R⁹ is one or more radicals selected from hydrido, alkoxy, amino, alkyl, halo, cyano, nitro, hydroxyl, haloalkyl, carboxyl, alkanoyl, nitro, amide, alkylamide, alkoxycarbonyl,
 25 alkylthio, alkylsulfinyl and alkylsulfonyl; and
 wherein R¹⁰ and R¹¹ are independently selected from hydrido and alkyl;
 or a pharmaceutically acceptable salt
 30 thereof.

15. Method of Claim 14 wherein R⁷ is one or more radicals selected from hydrido, lower

alkoxy, amino, cyano, nitro, hydroxyl, lower alkyl, halo, lower haloalkyl, carboxyl, lower alkanoyl, lower alkylamino, amide, lower alkylamide, lower alkoxy carbonyl, lower alkylthio, lower alkylsulfinyl and lower alkylsulfonyl; wherein R⁹ is one or more radicals selected from hydrido, lower alkoxy, amino, lower alkyl, halo, cyano, nitro, hydroxyl, lower haloalkyl, carboxyl, lower alkanoyl, lower alkylamino, amide, lower alkylamide, lower alkoxy carbonyl, lower alkylthio, lower alkylsulfinyl and lower alkylsulfonyl; and wherein R¹⁰ and R¹¹ are independently selected from hydrido and lower alkyl; or a pharmaceutically acceptable salt thereof.

15

16. Method of Claim 15 wherein R⁷ is one or more radicals selected from hydrido, methoxy, ethoxy, propoxy, butoxy, isopropoxy, tert-butoxy, amino, cyano, nitro, hydroxyl, methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl, tert-butyl, fluoro, chloro, bromo, iodo, fluoromethyl, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, pentafluoroethyl, heptafluoropropyl, difluorochloromethyl, dichlorofluoromethyl, difluoroethyl, difluoropropyl, dichloroethyl, dichloropropyl, carboxyl, formyl, acetyl, propionyl, N-methylamino, N-ethylamino, N-propylamino, N-butylamino, N-tert-butylamino, N-pentylamino, N-hexylamino, N,N-dimethylamino, amide, N-methylamide, N,N-dimethylamide, methoxycarbonyl, ethoxycarbonyl, isopropoxycarbonyl, tert-butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, pentoxycarbonyl, methylthio, methylsulfinyl and methylsulfonyl;

35

wherein R⁹ is one or more radicals selected from hydrido, methoxy, ethoxy, propoxy,

butoxy, isopropoxy, tert-butoxy, amino, methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl, tert-butyl, fluoro, chloro, bromo, iodo, cyano, nitro, hydroxyl, fluoromethyl, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, pentafluoroethyl, heptafluoropropyl, difluorochloromethyl, dichlorofluoromethyl, difluoroethyl, difluoropropyl, dichloroethyl, dichloropropyl, carboxyl, formyl, acetyl, propionyl, N-methylamino, N-ethylamino, N-propylamino, N-butylamino, N-tert-butylamino, N-pentylamino, N-hexylamino, N,N-dimethylamino, amide, N-methylamide, N,N-dimethylamide, methoxycarbonyl, ethoxycarbonyl, isopropoxycarbonyl, tert-butoxycarbonyl, propoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, pentoxycarbonyl, methylthio, methylsulfinyl and methylsulfonyl; and
wherein R¹⁰ and R¹¹ are independently selected from hydrido, methyl, ethyl, propyl, butyl, pentyl, isopropyl, isobutyl and tert-butyl; or a pharmaceutically acceptable salt thereof.

17. Method of Claim 16 selected from compounds, and their pharmaceutically acceptable salts, of the group selected from:

- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]N,N-dimethylbenzenamine;
N-[2-[(1H-benzimidazol-2-ylsulfinyl)methyl]phenyl]acetamide;
2-[[4-methyl-1H-benzimidazol-2-yl)sulfinyl]methyl]benzenamine;

- 2-[[(5,6-dimethyl-1H-benzimidazol-2-yl)sulfinyl)methyl]benzenamine;
2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]benzenamine;
5 methyl 2-[[(2-aminophenyl)methyl)sulfinyl]-5-methoxy-1H-benzimidazole-6-carboxylate;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chlorobenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5-chlorobenzenamine;
10 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-methoxybenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-methoxybenzenamine;
15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-methylbenzenamine;
20 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4,6-dimethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-methylbenzenamine;
25 2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-4-methylbenzenamine;
2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl)methyl]-6-methylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-ethylbenzenamine;
30 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-6-ethylbenzenamine;
2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-methoxy-3,5-dimethylbenzenamine;
35 2-[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl)methyl]benzenamine;

- 2-[[(5-chloro-1H-benzimidazol-2-yl)sulfinyl]-
methyl]benzenamine;
- 2-[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-
methyl]benzenamine;
- 5 2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-
yl)sulfinyl]methyl]benzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
(trifluoromethyl)benzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
10 butylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-5,6-
dimethylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,6-
dimethylbenzenamine;
- 15 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-
6-methylbenzenamine;
- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-chloro-6-
methoxy-3-methylbenzenamine;
- 2-[[(5-ethoxy-1H-benzimidazol-2-yl)sulfinyl]-
20 methyl]-4-methylbenzenamine;
- 2-[[(5-methyl-1H-benzimidazol-2-yl)sulfinyl]-
methyl]-5,6-dimethylbenzenamine;
- 2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-
yl)sulfinyl]-3,6-dimethylbenzenamine;
- 25 2-[[[(5-(trifluoromethyl)-1H-benzimidazol-2-yl]
sulfinyl]methyl]-6-methoxybenzenamine;
- methyl 2-amino-3-[(1H-benzimidazol-2-
ylsulfinyl)methyl]benzoate;
- ethyl 4-amino-3-[(1H-benzimidazol-2-
30 ylsulfinyl)methyl]benzoate;
- ethyl 4-amino-3-[[(5-methoxy-1H-benzimidazol-2-
yl)sulfinyl]methyl]benzoate;
- 2-[[(5,6-dimethoxy-1H-benzimidazol-2-
yl)sulfinyl]methyl]-4-methylbenzenamine;
- 35 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-4-
fluorobenzenamine;

- 2-[(1H-benzimidazol-2-ylsulfinyl)methyl]-3,4,5-trimethylbenzenamine;
2-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-4-methoxy-3,5-dimethylbenzenamine;
5 3-[(1H-benzimidazol-2-ylsulfinyl)methyl]benzenamine;
3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
3-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N,N-dimethyl-2-pyridinamine;
10 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine;
6-[[(4-methyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
15 6-[[(5-methyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-2-pyridinamine;
6-[[(5-chloro-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
20 6-[[[5-(trifluoromethyl)-1H-benzimidazol-2-yl]sulfinyl]methyl]-2-pyridinamine;
6-[[(5-ethoxy-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
25 6-[[(5,6-dimethoxy-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(5,6-dimethyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
6-[[(4,6-dimethyl-1H-benzimidazol-2-yl)-sulfinyl]methyl]-2-pyridinamine;
30 6-[[[5-(hydroxymethyl)-1H-benzimidazol-2-yl]sulfinyl]methyl]-2-pyridinamine;
6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-(2,2-dimethylpropyl)-2-pyridinamine;
35 6-[(1H-benzimidazol-2-ylsulfinyl)methyl]-N-ethyl-2-pyridinamine; and

5-[(1H-benzimidazol-2-ylsulfinyl)methyl]-2-pyridinamine.

18. Method of Claim 14 wherein the viral
5 protease is a herpesvirus protease.

19. Method of Claim 18 wherein the viral
protease is a CMV protease.

10 20. Method of Claim 19 wherein the viral
protease is a CMV protease, encoded by UL80.